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### Thrombospondins

A family of related, adhesive glycoproteins which are synthesized, secreted, and incorporated into the extracellular matrix of a variety of cells, including alpha granules of platelets following thrombin activation and endothelial cells. They interact with a number of BLOOD COAGULATION FACTORS and anticoagulant factors. Five distinct forms have been identified, thrombospondin 1, -2, -3, -4, and cartilage oligomeric matrix protein (COMP). They are involved in cell adhesion, platelet aggregation, cell proliferation, angiogenesis, tumor metastasis, vascular smooth muscle growth, and tissue repair.

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- ☐ Main point of item  
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- |   |   |
|---|---|
| <input type="checkbox"/> administration & dosage  | <input type="checkbox"/> history                  |
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| <input type="checkbox"/> chemistry                | <input type="checkbox"/> secretion                |
| <input type="checkbox"/> classification           | <input type="checkbox"/> standards                |
| <input type="checkbox"/> contraindications        | <input type="checkbox"/> supply & distribution    |
| <input type="checkbox"/> deficiency               | <input type="checkbox"/> therapeutic use          |
| <input type="checkbox"/> diagnostic use           | <input type="checkbox"/> toxicity                 |
| <input type="checkbox"/> economics                | <input type="checkbox"/> ultrastructure           |
| <input type="checkbox"/> genetics                 | <input type="checkbox"/> urine                    |

### MeSH Tree 1

- ▶ All MeSH Categories
  - ▶ Chemicals and Drugs (MeSH Category)
    - ▶ Amino Acids, Peptides, and Proteins
      - ▶ Proteins
        - ▶ Glycoproteins
          - ▶ Membrane Glycoproteins
            - ▶ ATP-Binding Cassette Transporters
            - ▶ Antigens, CD55
            - ▶ Antigens, CD58
            - ▶ Antigens, CD59
            - ▶ Antigens, Thy-1
            - ▶ Antiporters
            - ▶ CA-15-3 Antigen
            - ▶ CD40 Ligand
            - ▶ Cell Adhesion Molecules
            - ▶ Fibronectins
            - ▶ GAP-43 Protein
            - ▶ Laminin
            - ▶ Myelin-Associated Glycoprotein
            - ▶ Platelet Membrane Glycoproteins
            - ▶ Synaptophysin
            - ▶ **Thrombospondins**
              - ▶ Thrombospondin 1
            - ▶ Variant Surface Glycoproteins, Trypanosoma

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## MeSH Tree 2

- ▶ All MeSH Categories
  - ▶ Chemicals and Drugs (MeSH Category)
    - ▶ Amino Acids, Peptides, and Proteins
      - ▶ Proteins
        - ▶ Membrane Proteins
          - ▶ Membrane Glycoproteins
            - ▶ ATP-Binding Cassette Transporters
            - ▶ Antigens, CD55
            - ▶ Antigens, CD58
            - ▶ Antigens, CD59
            - ▶ Antigens, Thy-1
            - ▶ Antiporters
            - ▶ CA-15-3 Antigen
            - ▶ CD40 Ligand
            - ▶ Cell Adhesion Molecules
            - ▶ Fibronectins
            - ▶ GAP-43 Protein
            - ▶ Ion Channels
            - ▶ Laminin
            - ▶ Myelin-Associated Glycoprotein
            - ▶ Platelet Membrane Glycoproteins
            - ▶ Synaptophysin
            - ▶ **Thrombospondins**
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            - ▶ Variant Surface Glycoproteins, Trypanosoma

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